PMC-EF2a

(2.06.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: University of Tennessee **STATE:** TN

PROJECT TITLE : Demonstration of On-Farm Production of a Dedicated Energy Crop incorporating Multiple Varieties of Switchgrass Seed

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
USDA-CSREES-9008-00274	DE-EE0002993	GFO-10-384	0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

B3.6 Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

Rational for determination:

The University of Tennessee proposes to use federal fund to conduct field trials at local farms to study the chemical and structural properties of a variety of switchgrass and create awareness of switchgrass as an energy crop over a period of 3 years.

This project involves planting switchgrass (no-GMO's will be utilized in this research project) on approximately 1000 acres of farmland across varying conditions and on various agriculture fields. No-till planting will be utilized as well as general application herbicide to prep the farm fields. Herbicides will be applied in accordance to all federal, state, and local regulations that apply and also in accordance with the product label. Harvest of the plant will take place in the fall of each year after the plant goes dormant. 6 inches of plant stalk will be left to satisfy plant vitality and soil stability.

University of Tennessee will also conduct biomass analysis for structural and chemical integrity on the switchgrass grown in each of the trials.

The university also plans to coordinate an education & outreach program that will inform and educate on switchgrass biomass.

This project encompasses work that will be performed outdoors and indoors within the confines of a laboratory setting. An R & D questionnaire has been submitted which thoroughly address the university's safety and chemical handling protocols. The locations and existing uses of the potential field trial sites has also been provided. All land proposed for field trials is in current agricultural use (including pasture, soybeans, hay, winter wheat, etc.).

This project involves information gathering and conventional research and development, project site locations are all existing facilities, laboratories, and/or agricultural operations; therefore a CX A9, B3.6, & 5.1 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerwin Date: 5/11/2010
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager

PMC-EF2a
(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Richland Community College **STATE:** IL

PROJECT TITLE : Richland Community College Bioenergy Program

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
N/A	DE-EE0003140	GFO-10-491	EE3140

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:
Description:

A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

Rational for determination:

Richland Community College proposes to use federal funds to develop a comprehensive renewable energy curriculum, acquire and implement associated working laboratories and equipment, market renewable energy programs, and conduct academic courses and outreach activities.

This project will include for budget period 1, development of comprehensive renewable energy curriculum to include Bioethanol, Biodiesel, Wind, Biomass, Solar, and Geothermal technologies; development of a train the trainer outreach program targeted to k-12 instructors in the local community; market overall program and laboratory technologies to K-12 students, existing workforce, and dislocated workers.

This project involves development of curriculum and information dissemination; therefore a CX A9 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene brown 7/19/2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Kristin Kerwin Date: 7/26/2010
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required